

map panel (or perhaps a small number of map panels) that contains the address.

4. Since the latitude and longitude of the property are known (by virtue of a geocoding phase), the computer system can use the georeferencing of the map panels to locate the property on each of the panels found above, thus largely eliminating any need for the map analyst to scan the flood map for the address location.

A15  
cont.

**IN THE CLAIMS:**

Please cancel claims 5 and 15.

Please amend claims 1, 4, 11, 13, 14 and 16-20, as follows:

1. (Amended) A method for georeferencing a raster map, comprising:
- displaying a first map and a second map, the first map being a digital raster map, and the second map being a previously georeferenced map, wherein the first map is similar to the second map;
  - receiving an entry identifying a first point on the first map, wherein the first point is a pixel location having an x-coordinate and a y-coordinate;
  - receiving an entry identifying a second point on the second map, the second point having approximately the same location on the second map as the first point has on the first map;
  - assigning the point on the first map a longitude coordinate and a latitude coordinate, the longitude coordinate and the latitude coordinate of the first point being

SWS  
BZ

A16

FINNEGAN  
HENDERSON  
FARABOW  
GARRETT &  
DUNNER LLP

1300 I Street, NW  
Washington, DC 20005  
202.408.4000  
Fax 202.408.4400  
www.finnegan.com

A16  
cont.

identical to a longitude coordinate and a latitude coordinate associated with the point on the second map; and

creating a georeferencing function to define a relationship between a pixel location on the first map and a longitude coordinate and a latitude coordinate on the second map.

A17

4. (Amended) The method of claim 1 wherein the point on the first map has a previously determined longitude and latitude.

A18

11. (Amended) The method of claim 10 further comprising rejecting a point when the point deviates a pre-determined amount from a pre-determined standard error.

A19

13. (Amended) The method of claim 1 further comprising:  
receiving a selection of a point on the first map, and  
receiving a selection of a point on the second map.

14. (Amended) An apparatus for georeferencing a raster map, the apparatus comprising:  
means for displaying a first map and a second map, the first map being a digital raster map, and the second map being a previously georeferenced map, wherein the first map is similar to the second map;

FINNEGAN  
HENDERSON  
FARABOW  
GARRETT &  
DUNNER LLP

1300 I Street, NW  
Washington, DC 20005  
202.408.4000  
Fax 202.408.4400  
www.finnegan.com

means for receiving an entry identifying a first point on the first map, wherein the first point is a pixel location having an x-coordinate and a y-coordinate;

means for receiving an entry identifying a second point on the second map, the second point having approximately the same location on the second map as the first point has on the first map;

means for assigning the point on the first map a longitude coordinate and a latitude coordinate, the longitude coordinate and the latitude coordinate of the first point being identical to a longitude coordinate and a latitude coordinate associated with the point on the second map; and

means for creating a georeferencing function to define a relationship between a pixel location on the first map and a longitude coordinate and a latitude coordinate on the second map.

16. (Amended) The apparatus of claim 14 further comprising means for receiving a mark on the first map at a location, and reproducing the mark on the second map at a corresponding location.

17. (Amended) The apparatus of claim 14 further comprising means for using at least four point pairs to compute a georeferencing function for the first map based on a linear transformation, and further comprising executing a validation check.

FINNEGAN  
HENDERSON  
FARABOW  
GARRETT &  
DUNNER LLP

1300 I Street, NW  
Washington, DC 20005  
202.408.4000  
Fax 202.408.4400  
www.finnegan.com

18. (Amended) The apparatus of claim 17 further comprising means for rejecting a point pair when the point pair deviates a predetermined amount from a predetermined standard error.

19. (Amended) A computer readable medium containing instructions executable by a computer to perform a method to georeference a raster map, the method comprising:

displaying a first map and a second map, the first map being a digital raster map, and the second map being a previously georeferenced map, wherein the first map is similar to the second map;

receiving an entry identifying a first point on the first map, wherein the first point is a pixel location having an x-coordinate and a y-coordinate;

receiving an entry identifying a second point on the second map, the second point having approximately the same location on the second map as the first point has on the first map;

assigning the point on the first map a longitude coordinate and a latitude coordinate, the longitude coordinate and the latitude coordinate of the first point being identical to a longitude coordinate and a latitude coordinate associated with the point on the second map; and

creating a georeferencing function to define a relationship between a pixel location on the first map and a longitude coordinate and a latitude coordinate on the second map.

A20  
CONT.

FINNEGAN  
HENDERSON  
FARABOW  
GARRETT &  
DUNNER LLP

1300 I Street, NW  
Washington, DC 20005  
202.408.4000  
Fax 202.408.4400  
www.finnegan.com